SKNa 26, SKRa 26



Stud Diode

Avalanche Diode

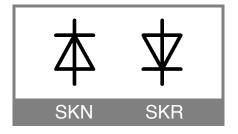
SKNa 26 SKRa 26

Features

- Avalanche type reverse characteristic up to 2000 V
- Hermetic metal case with glass insulator
- Threaded stud ISO M6 (also 10-32 UNF 2A and M5)¹⁾
- Cooling via metal plates or heat sinks
- SKN: anode to studSKR: cathode to stud

Typical Applications*

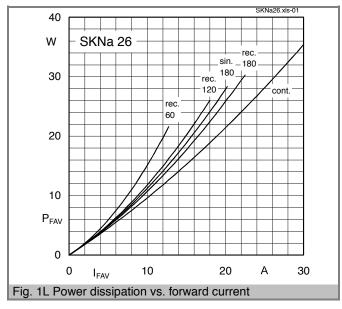
- DC power supplies for magnets or solenoids (brakes, valves, etc.)
- Field coil supply for DC motors
- Series connections for high voltage applications (dust precipitators)
- 1) M6x1 is standard; "UNF" should be added in description for 10-32 UNF 2A thread, or "M5" should be added in description for M5x0,8 thread.
- 2) Mounting with grease-like thermal compound or joint contact compound

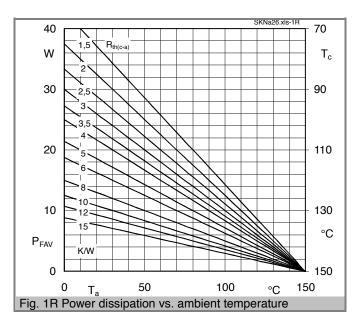


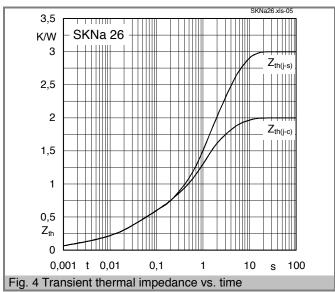
V _{(BR)min}	I _{FRMS} = 40 A (maximum value for continuous operation)		C _{max}	R _{min}
V	I _{FAV} = 26 A (sin. 180; T _c = 69 °C)		μF	Ω
1300	SKNa 26/13	SKRa 26/13		
1700	SKNa 26/17	SKRa 26/17		
1800	SKNa 26/18	SKRa 26/18		
2000	SKNa 26/20	SKRa 26/20		

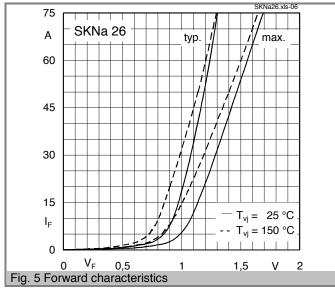
Symbol	Conditions	Values	Units
IFAV	sin. 180; T _C = 86 (101) °C	22 (18)	Α
l _D	K 9; T _a = 45 °C; B2 / B6 K 3; T _a = 45 °C; B2 / B6	17 / 24 30 / 42	A A
I _{FSM}	T_{vj} = 25 °C; 10 ms T_{vj} = 150 °C; 10 ms T_{vj} = 25 °C; 8,310 ms T_{vj} = 150 °C; 8,310 ms	375 320 700 510	A A A ² s A ² s
V _F V _(TO) r _T I _R P _{RSM}	$\begin{split} T_{vj} &= 25 \text{ °C; } I_F = 60 \text{ A} \\ T_{vj} &= 150 \text{ °C} \\ T_{vj} &= 150 \text{ °C} \\ T_{vj} &= 25 \text{ °C; } V_R = V_{(BR)min} \\ T_{vj} &= 150 \text{ °C; } t_p = 10 \mu\text{s} \end{split}$	max. 1,55 max. 0,85 max. 11 max. 10 6	V V mΩ μA kW
$\begin{array}{c} R_{th(j\text{-}c)} \\ R_{th(c\text{-}s)} \\ T_{vj} \\ T_{stg} \end{array}$		2 1 -40+150 -55+180	K/W K/W °C °C
V _{isol} M _s	M6 M6 (lubricated) ²⁾ M5 or or 10-32 UNF 2A M5 or or 10-32 UNF 2A (lubricated) ²⁾ approx.	- 2 1,5 1,5 1,1 5 * 9,81 7	V~ Nm Nm Nm Nm m/s² g
Case		E 8	

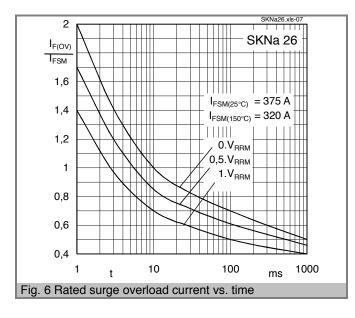
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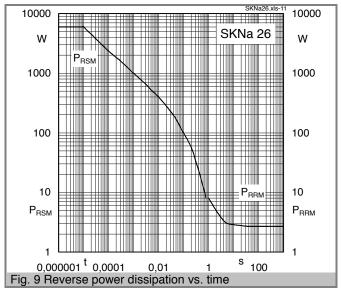


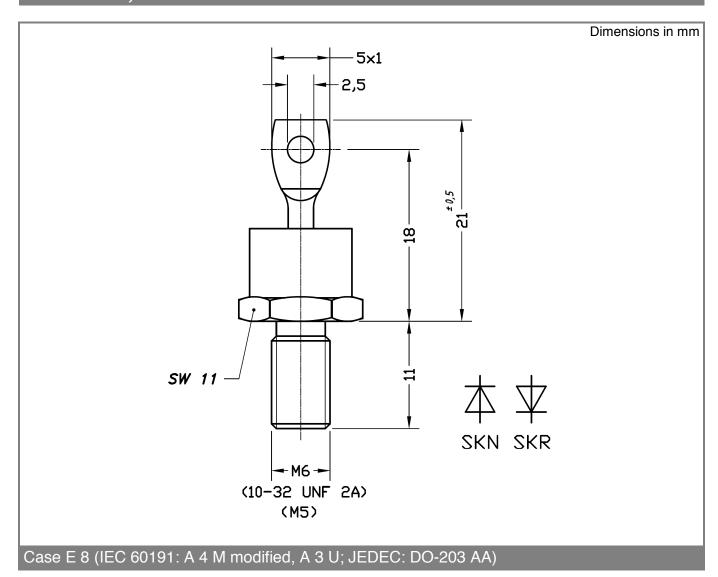












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